Benjamin Karlsson

Senior Full-stack developer

5-year experience building large-scale web applications and design systems as full-stack and frontend developer.

My specialization lies in TypeScript, and I have developed my professional skills by working with React, its patterns and architecture like hooks, redux and routing. I'm dedicated to developing and optimizing beautiful, user-friendly, and feature-rich tested web interfaces.

Privately health & training junky with a passion for creation.

Software development Skills

Main technologies:

Typescript, ReactJs, Storybook, Jest, Cypress.io, Redux & State Management, hooks, EmotionJs & Styled Component, Design Systems, Mono repo tools, Git, Jira, Rest, Graphql

Other technologies:

Azure DevOps, Design thinking, Adobe, Illustrator, Davinci Resolve, Sketch,

Experience in Selection

Senior Full-stack Developer @CI/CD Analysis Tool **– EcarX** | Sep 2021 – Jun 2023

- Independently designed and developed a **React** and **Typescript** web application to **visualize the internal CI/CD system**, providing real-time tracking of code progression of 70+ developers through pipelines and tests in a graph-based interface, extending to physical hardware within the automotive environment.
- Integrated Gitlab, Jira Software, OAuth Login, and various internal REST and GraphQL endpoints.
- Conducted Golang and Python backend development to implement gating functionalities within the CI/CD system while concurrently managing frontend responsibilities.
- Collaborated autonomously with a Backend Developer and DevOps engineer, assuming **responsibility** for **user experience, design, and Frontend architecture** using contemporary web development technologies.
- Developed and maintained the CI/CD pipelines.
- Conducted extensive research and facilitated communication with multiple teams and stakeholders, serving both end-users and internal developers as consumers of the product.

Technologies:

Typescript, React, Golang, Kubernetes, Docker, PostgreSQL, Vercel SWR, React Hooks, HTML, CSS, Mantine UI, Jest, Cypress, Storybook, GitLab, Jira, REST & GraphQL, Microsoft Active Directory, OAuth, Continues Development

Senior Web Engineer @Digital Trials **- Astra Zeneca** | Apr 2019 – Jul 2021

- Developed a **React** web application with modern, **responsive CSS**, and **TypeScript**.
- Integrated tool with CMS, IDP, and REST APIs.
- Contributed to a healthcare product with stringent testing and security requirements. Contributed to **digitalizing clinical trials** for AstraZeneca and other clients.
- Collaborated within a large team of senior developers and **cross-functional teams** including designers and backend developers.
- Thoroughly tested UI using tools such as Cypress and Jest.
- Managed an extensive UI/component library.

Technologies:

Typescript, React**,** Redux, React Hooks pattern, HTML, CSS, MonoRepo (Nx & Lerna), Jest, Styled Components, Material UI, Storybook, Git, Jira, Continues Development

Frontend Developer @Scope360 | Feb 2020 - Apr 2020

- Working on Scope360 - a Google Chrome plugin for Jira to track, estimate and plan sprints and sprints and PI plannings.
- Developed new features for the **Google Chrome plugin** Scope360.
- Increased the usability.
- Moved legacy Angular code into a **Vue.js** application.

Technologies:

MonoRepo(Lerna), Storybook, VueJs, AngularJs, Javascript, Chrome Extensions

Design Systems Engineer @SKF | Apr 2019 – Jan 2020

- Collaborated with designers to **develop a components library** and globally consumed Design System, ensuring a unified brand experience for SKF at scale. The design system has been adopted by developers across more than three continents.
- Researched and developed **React** components, emphasizing an optimal developer experience.
- Architected a CSS framework using Atomic CSS, **resulting in a 95% reduction in styling variables.** This initiative significantly increased styling efficiency and accelerated onboarding through a centralized source of truth.
- Engineered accessible components such as Buttons, multi-select dropdown inputs, virtualized lists, and Draggable lists.
- Engaged in code refactoring and conducted code reviews to ensure quality and adherence to standards.

Technologies:

React, Javascript, MonoRepo (Lerna), Storybook, TailwindCSS, AtomicCSS, Azure DevOps, Scrum, Design System

Frontend Developer @SKF | Feb 2018 - Apr 2019

- Contributed to the development of the UI for a reporting and analytics tool focused on monitoring the health of rotating equipment using vibration data.
- Participated in writing and styling front-end components to meet mockup requirements and fulfill user stories.
- Explored diverse layout possibilities to optimize the tool's interface together with UX designers.
- Engaged as a team member. Initiated daily exercises after the morning stand-up, instructed over 70 individuals and hosted the yearly X-mas party.

Technologies:

React, Redux, JavaScript, Lerna, Monorepo, SASS, HTML, Tailwind CSS, BlueprintJS, Cypress. Azure DevOps, GIT

UX / UI Developer @**RISE** Dec 2017 - Feb 2018

- Contributed to develop the EU-funded science project Sea Traffic Management (STM), aimed at optimizing port traffic flow.
- Maintained a close feedback loop with stakeholders involving the creation of mockups, their implementation, and gathering user statistics.
- Actively involved in developing an Angular web application, enabling real-time tracking and management of sea traffic using tools like Google Maps.

Technologies:

Angular, CSS, HTML, Google Maps API, Material Design UI, Javascript

UX / UI Developer @**Coboom** | Sep 2017-08 – Dec 2017

- Engaged in a collaborative effort to conceptualize and develop the innovative project Coboom.
- Contributed to the construction of a platform landing page designed for students and companies, aiming to facilitate innovation integration, accelerate collaboration, and eliminate barriers between students and companies.

Technologies:

HTML, CSS3, Bootstrap

Other Merits

Sabbatical Experience – The Learning journey | June Present

Educational Content Creation: Developed and published instructional content, notably an educational video series covering topics on productivity and wisdom.

Memory Technique Course Creation: Designed and tested a comprehensive 16-hour course on advanced learning techniques, trialed among friends and colleagues. Covered learning and study strategies, mindset development, abstract information processing, crafting memorable stories, rapid word memorization, language acquisition, speed reading, and summarization techniques.

Self-Directed Learning: Engaged in immersive self-study, completing online courses focused on productivity, communication, marketing, and personal development. Successfully completed a 30-day video challenge, enhancing presentation and communication skills. Achieved proficiency in 1000 words in the Polish language.

Innovator @**OpenHack** - Coding for humanity | Sep 2017

Pitching the concept for my team granted us the title "Best social/Humanitarian impact" at the Open-source hackathon OpenHack Coding for Humanity 2017 in Gothenburg. Main role was conceptualization, prototyping with interactive mockups and pitching for the jury.

Education

2014 - 2017

Bachelor's in informatics - Design, Innovation & Interaction

Umeå University

Languages

- **Swedish**: Native expertise
- **English**: Fluent expertise
- **German**: Beginner
- **Polish**: Beginner

Contacts

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